

## ABSTRACT OF THE INVENTION

A vacuum package system for hydrating and/or rehydrating orthopedic graft materials, such as allograft materials, xenograft materials, and synthetic materials, is described. The system primarily includes a container, which includes a dividing device for dividing the container into first and second compartments and for isolating the compartments from one another, the first compartment containing a liquid component and the second compartment containing either dry porous and/or dehydrated orthopedic graft material under vacuum with a tubular member. The elongated tubular member extends from, and is in communication with, the second compartment. The tubular portion defines vacuum reservoir device is disposed within the first compartment and is in communication with the second compartment. The vacuum reservoir device is capable of taking up substantially all residual interstitial gases and thereby ensuring thorough infusion of the liquid component into the orthopedic graft material component upon release of the dividing device so as to form either a hydrated and/or rehydrated orthopedic graft material. An optional gas permeable but liquid impermeable membrane is disposed between the second compartment and the pocket portion.